MIXTURES AND ANALYZING PARTICLE DISTRIBUTIONS OF THE REAGENT MIXTURES --.

In the specification:

On page 1, on the line between the title and the "Field of the Invention", please insert:

-- This patent application is a continuation of U.S. patent application serial number 08/370,023, filed January 9, 1995, co-pending herewith, which is a divisional of U.S. patent application serial no. 08/007,111, filed January 21, 1993, now U.S. Patent No. 5,380,491, both of which are hereby expressly incorporated by reference as part of the present disclosure.--

On page 9, line 9, after "June 7, 1991," please insert -- now U.S. Patent No. 5,316,725, --.

On page 9, line 11, before "co-pending" please insert -- U.S. Patent No. 5,262,329, entitled "Method For Improved Multiple Species Blood Analysis", which is a continuation of --.

On page 9, line 13, before "which", please insert -- now abandoned --.

On page 9, line 14, please delete "both" and substitute therefor -- each --.

On page 9, lines 25 and 26, please delete "focused flow", and substitute therefor in all capital letters -- FOCUSED FLOW™ --.

On page 14, line 10, please delete "focused flow", and substitute therefor in all capital letters -- FOCUSED FLOW™ --.

On page 15, line 1, after "serial no. 650,686," please insert -- now U.S. Patent No. 5,187,673, --.

On page 23, lines 2 and 3, please delete ", or focused flow of the sample".

On page 23, lines 22 and 23, please delete ", or with systems which do not provide focused flow,".

On page 25, line 10, please delete "focused" and substitute therefor -- unique --.

On page 1, in the "Field of the Invention", please delete from line 5, starting with "The present invention . . . " through line 8, ending with " . . . in hematology testing." and substitute therefor the following:

-- The present invention is directed to apparatus and methods for making reagent mixtures, and more particularly, to apparatus and methods for making a plurality of reagent mixtures and analyzing particle distributions of the reagent mixtures, such as for blood cell analysis. --

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On page 3, line 14, please delete "focused flow,".

On page 3, after line 17, please insert the following new paragraph:

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-- The present inventors have also realized that it would be desirable to provide an apparatus and method for hematology testing that may automatically adjust or create reagent mixtures corresponding to each of a plurality of different species. --

On page 3, in the "Summary of the Invention", please delete from line 20, starting with "The present invention is directed to . . . " through page 5, line 1, ending with " . . . the pump unit."; and substitute therefor the following:

-- The present invention is directed to an apparatus and method for making a plurality of reagent mixtures and analyzing particle distributions of the reagent mixtures, such as for blood cell analysis. The apparatus comprises at least one pump, such as a positive-displacement pump, a sensing unit defining a counting orifice for receiving a reagent mixture and analyzing a particle distribution of the reagent mixture, and a control unit, or like means, for adjusting the reagent mixture to correspond to each of a plurality of different operator inputs. The control unit controls one or more pumps to aspirate a predetermined quantity of each of a plurality of reagent-mixture components, wherein each predetermined quantity corresponds to the respective input, and further controls the pump or pumps to mix the aspirated components into the reagent mixture. The control unit then controls a pump to introduce the reagent mixture through the sensing unit for sensing a particle distribution of the reagent mixture, such as for blood cell analysis.

In one embodiment of the present invention, the plurality of inputs each correspond to a respective animal species, and for each input, the plurality of reagent-mixture components includes a first reagent-mixture component consisting essentially of a whole blood sample of the respective species, a second reagent-mixture component consisting essentially of diluent, and a third reagent-mixture component consisting essentially of a lysing agent for making a blood/diluent and/or a blood/diluent/lyse reagent mixture corresponding to the respective species. --

On page 5, line 2, please delete "In one" and substitute therefor -- Also in an --, and please delete "processing and"; on line 5, please delete "processing and"; and on line 7, please delete "the pump unit" and substitute therefor -- one or more pumps --, and please delete ", by at least one syringe,".

Also on page 5, please delete from line 10, starting with "One embodiment . . ." through page 7, line 8, ending with "the system.", and substitute therefor the following new paragraph:

-- One advantage of the apparatus and method of the present invention is that the reagent mixture may be automatically adjusted to correspond to each of a plurality of different operator inputs, which may each correspond, for example, to a different animal species to automatically create the reagent mixture for each species. --

On page 10, line 11, after "and includes", please insert -- several pumps, which in the embodiment of the present invention illustrated are positive-displacement pumps, including --; and on line 13, after "piston", please delete the comma ",", before "and", please insert an open parenthesis -- (--, and after "pump", please insert a closed parenthesis --) --.

On page 22, line 14, before "present invention", please insert -- illustrated embodiment of the --.

On page 24, line 17, before "present invention", please insert -- illustrated embodiment of the --; and line 18, after "three", please insert -- pumps or --.